

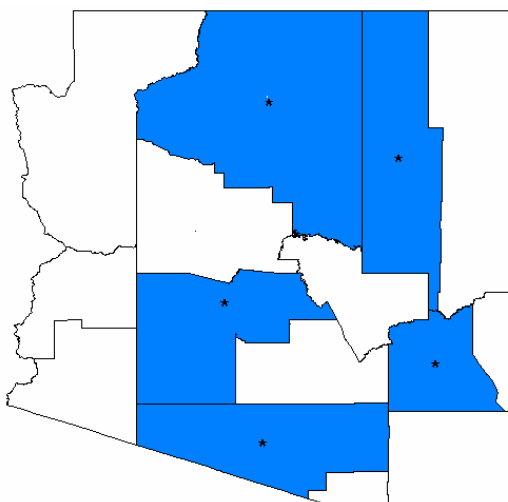
Weekly Influenza Summary:

"Local" influenza activity was reported in Arizona for the week ending on 12/15/2007 (week 50). A total of 33 cases have been reported from across five counties. No pediatric influenza-associated deaths have been reported in Arizona for the current season. The influenza-like-illness rate is above the state baseline for week 49.

Data in this report are provisional and may change as more reports are received.

National influenza surveillance data are available at the CDC's Influenza Surveillance site (<http://www.cdc.gov/flu/weekly/fluactivity.htm>).

Influenza Activity by County:



Key:

* = Any activity reported this season

Blue = Activity reported in past three weeks

White = No activity reported in past three weeks

Flu Cases Reported 2007 – 2008 Season

County	# cases	County	# cases	County	# cases
Apache	0	Greenlee	0	Pima	1
Cochise	0	La Paz	0	Pinal	0
Coconino	4	Maricopa	24	Santa Cruz	0
Gila	0	Mohave	0	Yavapai	0
Graham	2	Navajo	2	Yuma	0

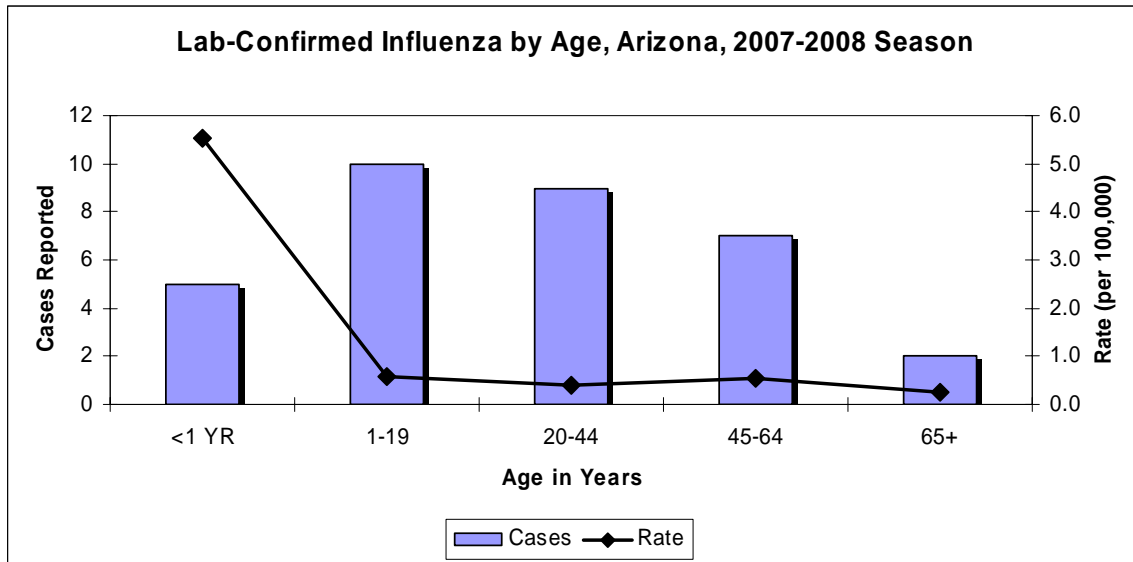
Flu Cases Reported Last Week

County	# cases	County	# cases	County	# cases
Apache	0	Greenlee	0	Pima	0
Cochise	0	La Paz	0	Pinal	0
Coconino	3	Maricopa	10	Santa Cruz	0
Gila	0	Mohave	0	Yavapai	0
Graham	2	Navajo	0	Yuma	0

Lab Surveillance:

Laboratories report positive influenza tests to ADHS. Of the lab-confirmed influenza reported this season, twenty-five are influenza A (fourteen confirmed by culture or PCR), four are influenza B (one confirmed by culture or PCR) and four are unknown.

Ages of reported cases range from less than one year to over 65 years.



Subtyping – Culture or PCR Results:

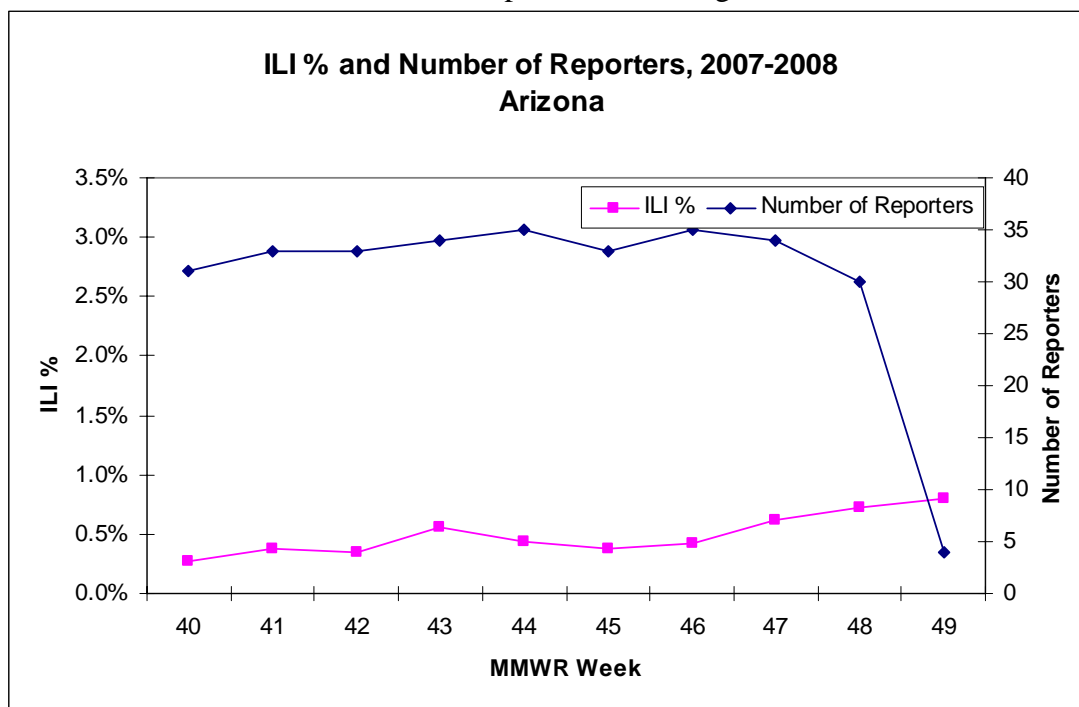
Viral isolation, or culture, is currently the “gold standard” for diagnosis of influenza virus infections. The influenza subtype can be determined by a test called hemagglutination inhibition (HI) using viral isolates. Polymerase chain reaction (PCR) can also be used to identify influenza B and the hemagglutinin (H) component of influenza A.

Of the eleven culture- or PCR-confirmed influenza A cases, all are H1 by PCR. The one culture or PCR positive influenza B case has not yet been subtyped.

Influenza-Like Illness (ILI) Surveillance from Sentinel Providers

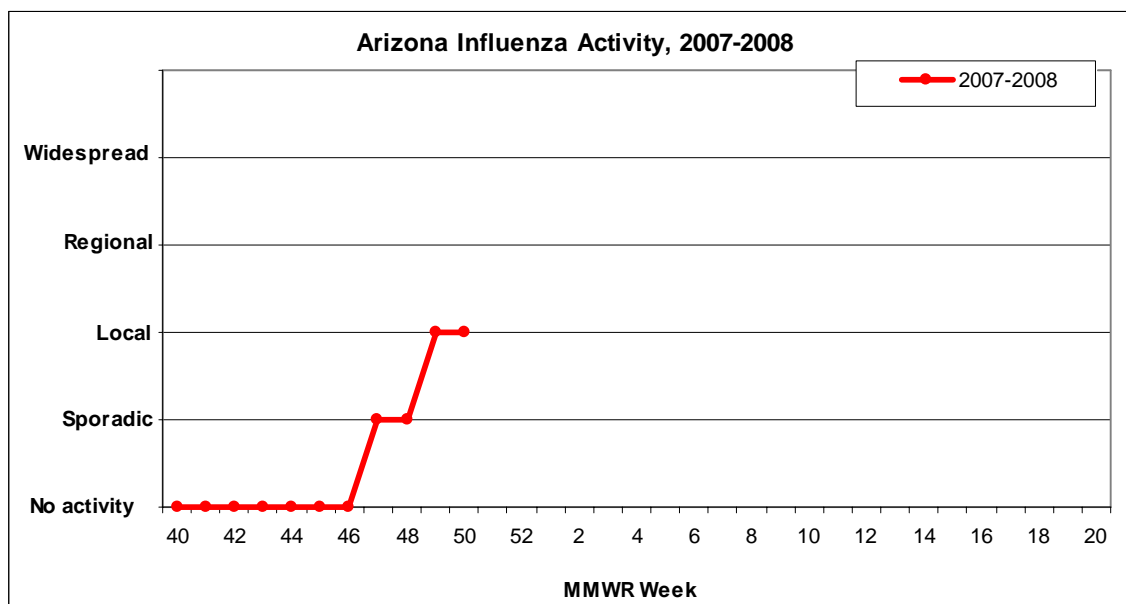
The proportion of patient visits to sentinel providers for ILI in the state was 1.0% for the week ending 12/08/2007 (week 49). This value is higher than the Arizona ILI baseline (0.5%).

ILI is defined as a fever of at least 100°F plus either a cough or a sore throat.



Arizona Influenza Activity Levels

The graph below shows the influenza activity levels reported to the CDC for this season only. CDC has changed the reporting criteria for state activity levels so Arizona's data from previous seasons are no longer directly comparable to the current season. For week 50, Arizona reported "local activity". Definitions of these reporting categories can be found at <http://www.cdc.gov/flu/weekly/fluactivity.htm>.



RSV Activity in Arizona:

Increasing respiratory syncytial virus (RSV) activity has been reported in Arizona. As of 12/15/2007, 35 lab-confirmed cases have been reported. Six new cases of RSV were reported during week 50.

